PATENT .

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

09/835,154

Confirmation No. :

3877

Applicant

Vladimir N. GEORGIEV

Filed

April 14, 2001

TC/A.U.

2643

Examiner

Tuan PHAM

Docket No.

42P10248

25694

Customer No. Title

Echo Cancellation Through Auxiliary-vector Filtering

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97 and 1.98

RECEIVED

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Commissioner for Patents

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Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450 Atexandria, NA 22313-1450 on the date shown below.

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Date: June 16, 2004

06/22/2004 SDENBOB1 00000110 500221 0983515

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Docket No.: 42P10248

Serial No.: 09/835,154

The present Information Disclosure Statement is being filed without a

Certification under 37 CFR §1.97(e) after the later of three months from the

application's filing date and the mailing date of the first Office Action on the merits,

but before a Final Office Action or Notice of Allowance (whichever is earlier).

Therefore, please charge the fee of \$180.00 under 37 CFR §1.17(p) and any

deficiency or credit any overpayment in connection with this Information Disclosure

Statement to Deposit Account No. 50-0221.

The submission of the listed documents is not intended as an admission that

any such document constitutes prior art against the claims of the present

application. Applicant does not waive any right to take any action that would be

appropriate to antedate or otherwise remove any listed document as a competent

reference against the claims of the present application.

Respectfully submitted,

Dated: June 16, 2004

Alan Pedersen Giles Registration No. 39,996

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PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known	
			Application Number	09/835,154
			Filing Date	April 14, 2001
			First Named Inventor	Vladimlr N. Georgiev
			Art Unit	2643
			Examiner Name	Tuan Pham
Sheet	1	1	Attorney Docket Number	42P10248

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²			
		D.A. Pados, et al., "Joint Space-Time Auxiliary-Vector Filtering for DS/CDMA Systems with Antenna Arrays," IEEE Transactions on Communications, Vol. 47, Issue 9, Sept. 1999, pp. 1406-1415.				
		DECEN/E				
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		JUN 2 4 2004				
		Technology Center	260			
Examiner Signature		Date Considered				

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.